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U.S. PTO  
JC678

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05-04-01

PTO/SB/05 (08-00)  
Approved for use through 10/31/2002. OMB 0851-0032  
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

A

UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 2100653-991140  
First Inventor Kim, et al.  
Title CROSS BAR MULTIPATH CONTROLLER SYSTEM AND METHOD  
Express Mail Label No. EL 813645956 USJC678 U.S. PRO  
09/04/01  
05/02/01

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

- |  |   |
|--|---|
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)<br>(Submit an original, and a duplicate for fee processing)  | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or<br>Computer Program (Appendix)  |
| 2. <input checked="" type="checkbox"/> Applicant claims small entity status.<br>See 37 CFR 1.27.   | 8. Nucleotide and/or Amino Acid Sequence Submission<br>(if applicable, all necessary)   |
| 3. <input checked="" type="checkbox"/> Specification [Total Pages 21]<br>(preferred arrangement set forth below)   | a. <input type="checkbox"/> Computer Readable Form (CRF)  |
| - Descriptive title of the invention   | b. Specification Sequence Listing on:   |
| - Cross Reference to Related Applications  | i. <input type="checkbox"/> CD-ROM or CD-R (2 copies; or  |
| - Statement Regarding Fed sponsored R&D  | ii. <input type="checkbox"/> paper  |
| - Reference to sequence listing, a table   | c. <input type="checkbox"/> Statements verifying identity of above copies   |
| or a computer program listing appendix   |   |
| - Background of the Invention  |   |
| - Brief Description of the Drawings(if filed)  |   |
| - Detailed description   |   |
| - Claim(s)   |   |
| - Abstract of the Disclosure   |   |
| 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [ 5 Total Sheets]  |   |
| 5. Oath or Declaration [Total Pages 4 (2-sided)]   |   |
| a. <input checked="" type="checkbox"/> Newly Executed (original or copy)   | 9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))<br>37 CFR 3.73(b) Statement  |
| Copy from a prior application (37 CFR 1.63(d))<br>(for continuation/divisional with Box 17 completed)  | 10. <input type="checkbox"/> (when there is an assignee) <input type="checkbox"/> Power of<br>Attorney  |
| b. <input type="checkbox"/>  | 11. <input type="checkbox"/> English Translation Document (if applicable)   |
| i. <input type="checkbox"/> DELETION OF INVENTOR(S)<br>Signed statement attached deleting inventor(s)<br>named in the prior application, see 37 CFR<br>1.63(d)(2) and 1.33(b).           | 12. <input type="checkbox"/> Information Disclosure<br>Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS<br>Citations                       |
| 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76.   | 13. <input type="checkbox"/> Preliminary Amendment (23 pgs.)  |
| 17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an<br>Application Data Sheet under 37 CFR 1.76: | 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br>(Should be specifically itemized)<br>Certified Copy of Priority Document(s) |
| <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No. _____                             | 15. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122<br>(b)(2)(B)(i). Applicant must attach form PTO/SB/35<br>or its equivalent.    |
| Prior application information: Examiner _____ Group/Art Unit: _____  | 16. <input type="checkbox"/> Other: 1) Check # 476270 in the amount of \$ 538.00<br>2) Small Entity Declaration (1 pg. 2 sided)                           |

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 18. CORRESPONDENCE ADDRESS

 Customer Number or Bar Code Label  Correspondence address below  
(Insert Customer No. or Attach bar code label here)

Name	Gray Cary Ware & Freidenrich LLP				
	1755 Embarcadero				
Address					
City	Palo Alto	State	California	Zip Code	94303-3340
Country	US	Telephone	650-320-7426	Fax	

NAME (Print/Type) Timothy W. Lohse Registration No. (Attorney/Agent) 35,255

Signature  Date 5/2/2001 May 2, 2001

SUBMITTED BY		Complete (if applicable)			
Name (Print/Type)	Timothy W. Lohse	Registration No. (Attorney/Agent)	35,255	Telephone	(650) 320-7426
Signature				Date	May 2, 2001

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SENT FEES OR COMPLETED FORM TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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JCS879 U.S. PAT.

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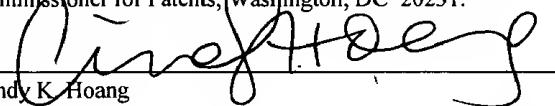
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

EXPRESS MAIL number: **EL813645956US**

Date of Deposit May 2, 2001

I hereby certify that this paper is being deposited with the United States Postal Service "EXPRESS MAIL Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to BOX PATENT APPLICATION, Commissioner for Patents, Washington, DC 20231.

  
Cindy K. Hoang

\* \* \*

CERTIFICATE OF MAILING BY EXPRESS MAIL

COMMISSIONER OF PATENTS  
Washington, D.C. 20231

**ATTN: BOX PATENT APPLICATION**

Sir:

Transmitted herewith for filing under 37 CFR 1.53(b) is the patent application of:

INVENTOR(s): Kim, et al.

FOR: CROSS-BAR MULTIPATH RESOURCE CONTROLLER  
SYSTEM AND METHOD

Enclosed are:

Utility Transmittal (1 pg.)  
21 pages of specification, claims and abstract  
5 sheets of Informal Drawings  
Executed Declaration and Power of Attorney (4 pgs./2-sided)  
Fee Transmittal (2 pgs.)  
Executed Small Entity Declaration (1 pg./double-sided)  
Executed Assignment with Cover Sheet Form PTO-1619A (6 pgs./2-sided)  
Check #476270 in the amount of \$558.00  
Return Postcard

053647991 "0520360

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# FEE TRANSMITTAL

## for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 538.00)

## Complete if Known

Application Number	Not Assigned
Filing Date	May 2, 2001
First Named Inventor	Kim, et al.
Examiner Name	Not Assigned
Group Art Unit	Not Assigned
Attorney Docket No.	2100653-991140

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## METHOD OF PAYMENT

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:
- |                        |         |
|------------------------|---------|
| Deposit Account Number | 07-1896 |
| Deposit Account Name   |         |
- Charge Any additional Fee Required Under 37 CFR 1.16 and 1.17
- Applicant claims small entity status. See 37 CFR 1.27
2.  Payment Enclosed:
- Check  Credit card  Money Order  Other

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	11	0240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unavoidable	
142	1,240	242	820	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

SUBTOTAL (2) (\$ 143.00)

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 538.00)

\*\*or number previously paid, if greater. For Reissues, see above